ABSTRACT OF THE DISCLOSURE

An improved device for closing an opening in a blood vessel includes a cannula holding a first wire group, a second wire group, and a wire fixation device. The positions of the first wire group and second wire group are independently adjustable. The first wire group is deployed from the cannula into an interior region of the blood vessel and retracted to a desired position in contact with an intimal surface of the blood vessel around the opening. The second wire group is deployed from the cannula and moved to a desired position in contact with an adventitial surface of the blood vessel around the opening. The fixation device is adapted to affix the first and second wire groups in their desired positions to thereby effectuate closure of the opening in the blood vessel.